

**THE EMBODIMENTS OF THE INVENTION IN WHICH AN EXCLUSIVE  
PROPERTY OR PRIVILEGE IS CLAIMED ARE DEFINED AS FOLLOWS:**

5 1. A nitric oxide gas generator, comprising:

a body having a dilution inlet chambers, a chemical  
mixing chamber, and a dilution outlet chamber, a dilution  
inlet for diluent gases being provided into the dilution  
inlet chamber, an inlet being provided to permit entry of the  
10 diluent gases into the chemical mixing chamber, an outlet  
being provided to permit the exit of diluted nitric oxide gas  
from the chemical mixing chamber to the dilution outlet  
chamber, a dilution outlet being provided for removal of  
diluted nitric oxide gas from the dilution outlet chamber;

15 supports for supporting chemicals to be reacted to  
produce nitric oxide gas; and

a heat source to heat the chemical mixing chamber in  
which chemicals are mixed to initiate a chemical reaction  
that produces nitric oxide gas.